

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935154

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935154
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

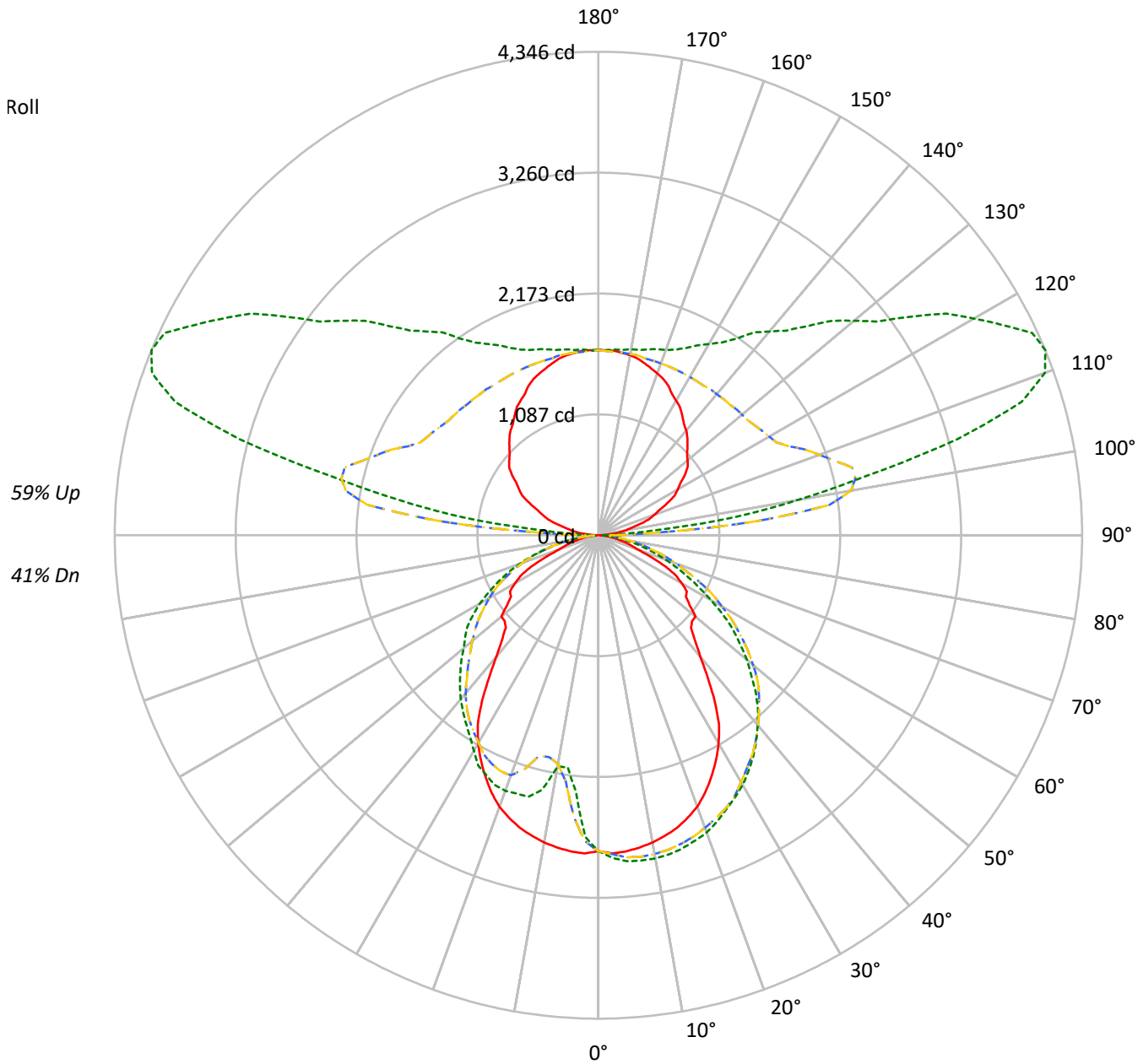
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18158.7 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8782	8782	8782	8782
5°	8851	8865	8851	6970
10°	8794	8732	8794	6243
15°	8702	8543	8702	7133
20°	8524	8319	8524	7148
25°	8154	7992	8154	6997
30°	7676	7720	7676	6664
35°	6847	7377	6847	6299
40°	5708	6973	5708	6022
45°	5103	6500	5103	5705
50°	5426	5936	5426	5386
55°	5110	5328	5110	5202
60°	5274	4525	5274	4765
65°	4789	3740	4789	4181
70°	3324	2981	3324	3505
75°	2927	2204	2927	2639
80°	2376	1457	2376	1586
85°	1393	771	1393	656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7817 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	1.4
10°-20°	727.6	4.0
20°-30°	1124.8	6.2
30°-40°	1342.8	7.4
40°-50°	1350.6	7.4
50°-60°	1175.2	6.5
60°-70°	833.2	4.6
70°-80°	440.8	2.4
80°-90°	116.1	0.6
90°-100°	811.4	4.5
100°-110°	2133.3	11.7
110°-120°	2212.0	12.2
120°-130°	1774.3	9.8
130°-140°	1392.2	7.7
140°-150°	1068.5	5.9
150°-160°	769.5	4.2
160°-170°	470.8	2.6
170°-180°	159.1	0.9
0°-30°	2108.7	11.6
0°-40°	3451.5	19.0
0°-60°	5977.3	32.9
0°-90°	7367.5	40.6
90°-120°	5156.7	28.4
90°-150°	9391.7	51.7
90°-180°	10791.0	59.4
0°-180°	18158.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2839	2839	2839	2839	2839	
5°	2853	2941	2853	2313	2853	271
15°	2724	2914	2724	2434	2724	766
25°	2399	2718	2399	2380	2399	1101
35°	1824	2426	1824	2071	1824	1128
45°	1176	1998	1176	1754	1176	942
55°	959	1475	959	1440	959	881
65°	666	889	666	994	666	637
75°	252	422	252	505	252	265
85°	43	107	43	91	43	58
90°	11	42	11	42	11	11
95°	107	490	107	490	107	119
105°	384	3340	384	3340	384	407
115°	683	4301	683	4301	683	674
125°	950	3425	950	3425	950	843
135°	1132	2658	1132	2658	1132	876
145°	1313	2156	1313	2156	1313	822
155°	1484	1857	1484	1857	1484	682
165°	1601	1729	1601	1729	1601	452
175°	1665	1676	1665	1676	1665	158
180°	1665	1665	1665	1665	1665	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
2.5°	2863.3	2863.3	2879.4	2884.8	2884.8	2876.7	2868.7	2876.7	2900.9	2909.0	2906.3
5°	2852.6	2874.0	2903.6	2909.0	2914.3	2911.6	2906.3	2911.6	2938.5	2943.9	2946.6
7.5°	2831.1	2871.4	2909.0	2917.0	2925.1	2917.0	2914.3	2919.7	2946.6	2951.9	2951.9
10°	2804.2	2860.6	2903.6	2909.0	2917.0	2909.0	2909.0	2919.7	2946.6	2951.9	2954.6
12.5°	2766.6	2844.5	2884.8	2890.2	2900.9	2898.2	2895.5	2906.3	2933.1	2938.5	2938.5
15°	2723.6	2815.0	2852.6	2857.9	2876.7	2871.4	2871.4	2882.1	2911.6	2919.7	2917.0
17.5°	2664.5	2777.3	2820.3	2828.4	2841.8	2839.1	2841.8	2852.6	2879.4	2884.8	2887.5
20°	2597.4	2726.3	2777.3	2785.4	2798.8	2798.8	2798.8	2812.3	2839.1	2849.9	2849.9
22.5°	2506.1	2672.6	2726.3	2731.7	2747.8	2747.8	2753.2	2772.0	2796.1	2798.8	2798.8
25°	2398.6	2613.5	2659.2	2675.3	2691.4	2699.5	2707.5	2718.3	2726.3	2723.6	2726.3
27.5°	2285.7	2538.3	2597.4	2608.1	2629.6	2637.7	2648.4	2651.1	2653.8	2661.9	2656.5
30°	2159.5	2433.5	2522.2	2532.9	2567.8	2573.2	2562.5	2567.8	2581.3	2586.6	2592.0
32.5°	2017.1	2277.7	2444.3	2468.5	2500.7	2484.6	2481.9	2490.0	2511.4	2511.4	2516.8
35°	1823.8	2156.8	2371.8	2393.3	2417.4	2398.6	2409.4	2412.1	2425.5	2433.5	2430.9
37.5°	1611.6	2052.1	2296.5	2312.6	2331.4	2307.2	2323.3	2331.4	2342.1	2336.8	2336.8
40°	1423.5	1888.2	2207.8	2218.6	2234.7	2215.9	2232.0	2237.4	2242.8	2237.4	2234.7
42.5°	1283.9	1708.3	2113.8	2127.3	2116.5	2129.9	2135.3	2146.1	2138.0	2127.3	2127.3
45°	1176.4	1659.9	2011.8	2027.9	2011.8	2033.3	2041.3	2041.3	2017.1	2011.8	2009.1
47.5°	1141.5	1563.2	1909.7	1909.7	1901.6	1928.5	1941.9	1923.1	1899.0	1890.9	1890.9
50°	1138.8	1455.8	1770.0	1759.3	1796.9	1829.1	1815.7	1796.9	1778.1	1748.5	1748.5
52.5°	1034.1	1324.2	1590.1	1630.4	1689.5	1708.3	1686.8	1668.0	1635.7	1622.3	1611.6
55°	958.9	1187.2	1426.2	1506.8	1568.6	1592.8	1552.5	1533.7	1485.3	1477.3	1471.9
57.5°	942.8	988.4	1275.8	1377.9	1453.1	1450.4	1426.2	1391.3	1351.0	1343.0	1340.3
60°	864.9	714.5	1114.7	1235.5	1313.4	1305.4	1283.9	1251.6	1214.0	1208.7	1203.3
62.5°	784.3	518.4	932.0	1069.0	1179.1	1176.4	1157.6	1109.3	1082.4	1069.0	1058.3
65°	666.1	435.1	663.4	889.0	1047.5	1052.9	1012.6	977.7	948.1	932.0	929.3
67.5°	507.6	354.5	448.6	741.3	921.3	915.9	864.9	848.8	811.2	803.1	787.0
70°	376.0	236.4	311.6	601.6	797.7	784.3	744.0	725.2	690.3	671.5	660.7
72.5°	311.6	190.7	228.3	467.4	671.5	655.4	620.5	599.0	569.4	553.3	542.6
75°	252.5	201.4	174.6	346.5	545.2	534.5	502.3	480.8	456.6	435.1	437.8
77.5°	185.3	188.0	139.7	255.2	432.4	416.3	397.5	370.7	359.9	338.4	338.4
80°	139.7	147.7	104.8	174.6	311.6	311.6	295.5	276.7	257.8	247.1	247.1
82.5°	94.0	94.0	77.9	110.1	212.2	204.1	193.4	188.0	177.3	171.9	171.9
85°	43.0	53.7	48.3	67.1	115.5	120.9	120.9	115.5	112.8	107.4	110.1
87.5°	13.4	24.2	29.5	37.6	59.1	61.8	64.5	64.5	64.5	67.1	67.1
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.2	419.8	478.2	419.1	300.9	212.3	203.9
95°	107.3	246.3	385.3	420.1	745.9	1180.4	1397.6	1247.2	946.3	720.5	694.9
97.5°	185.4	308.1	430.7	461.4	1004.7	1729.1	2091.4	1996.3	1806.1	1663.5	1614.9
100°	245.8	357.0	468.2	496.0	1098.9	1902.8	2304.8	2311.8	2325.7	2336.0	2278.1
102.5°	297.2	400.9	504.7	530.7	1142.1	1957.5	2365.1	2486.3	2728.6	2910.3	2860.6
105°	384.4	472.2	560.1	582.0	1174.2	1963.7	2358.4	2630.1	3173.3	3580.6	3553.9
107.5°	473.7	555.6	637.6	658.1	1180.1	1876.2	2224.3	2603.2	3360.9	3929.2	3935.6
110°	534.1	608.0	682.0	700.5	1171.2	1798.8	2112.6	2536.2	3383.2	4018.5	4046.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.2	663.8	734.2	751.9	1171.6	1731.2	2011.0	2444.5	3311.4	3961.6	4004.3
115°	682.6	747.7	812.7	829.0	1182.3	1653.6	1889.2	2306.8	3141.9	3768.3	3827.5
117.5°	770.9	830.0	889.0	903.8	1204.4	1605.0	1805.4	2182.2	2936.0	3501.3	3566.9
120°	822.3	877.9	933.5	947.4	1222.3	1588.7	1771.9	2116.2	2804.9	3321.4	3385.3
122.5°	872.6	928.7	984.8	998.8	1248.0	1580.1	1746.2	2056.3	2676.4	3141.6	3204.5
125°	949.7	1000.8	1051.9	1064.7	1282.5	1573.1	1718.3	1981.7	2508.5	2903.6	2961.5
127.5°	1012.2	1063.8	1115.5	1128.4	1317.2	1568.9	1694.8	1921.0	2373.3	2712.5	2761.4
130°	1045.7	1101.3	1156.9	1170.8	1342.5	1571.5	1685.9	1887.2	2289.9	2591.9	2637.1
132.5°	1080.4	1136.0	1191.6	1205.4	1362.9	1573.0	1678.0	1858.2	2218.8	2489.1	2529.6
135°	1131.8	1182.3	1233.0	1245.6	1385.3	1571.5	1664.7	1815.6	2117.4	2343.8	2378.8
137.5°	1184.2	1234.4	1284.5	1297.0	1418.8	1581.2	1662.4	1790.0	2045.3	2236.7	2265.2
140°	1227.8	1274.0	1320.1	1331.7	1439.3	1582.8	1654.5	1764.7	1985.3	2150.6	2177.3
142.5°	1261.3	1304.0	1346.7	1357.4	1456.4	1588.5	1654.5	1751.4	1945.1	2090.3	2113.2
145°	1312.7	1350.0	1387.2	1396.5	1478.8	1588.6	1643.4	1722.6	1881.0	1999.8	2017.1
147.5°	1364.1	1400.4	1436.6	1445.7	1511.6	1599.5	1643.4	1705.7	1830.4	1923.8	1938.3
150°	1397.6	1430.4	1463.1	1471.4	1528.7	1605.2	1643.4	1696.1	1801.3	1880.2	1891.9
152.5°	1432.2	1457.0	1481.9	1488.1	1539.8	1608.9	1643.4	1688.4	1778.2	1845.6	1854.4
155°	1483.6	1502.0	1520.4	1525.0	1564.5	1617.1	1643.4	1679.2	1750.6	1804.2	1810.1
157.5°	1521.6	1539.5	1557.4	1561.9	1589.1	1625.3	1643.4	1671.2	1726.8	1768.5	1772.6
160°	1547.3	1561.2	1575.1	1578.6	1600.2	1629.0	1643.4	1667.3	1714.9	1750.6	1752.9
162.5°	1573.0	1583.4	1593.8	1596.4	1612.1	1633.0	1643.4	1663.5	1703.7	1733.9	1736.1
165°	1600.9	1610.3	1619.8	1622.1	1629.2	1638.7	1643.4	1657.8	1686.6	1708.2	1710.5
167.5°	1626.6	1631.1	1635.6	1636.7	1642.6	1650.6	1654.5	1664.0	1682.9	1697.1	1698.0
170°	1643.4	1647.9	1652.4	1653.5	1653.8	1654.3	1654.5	1664.0	1682.9	1697.1	1697.1
172.5°	1652.3	1653.3	1654.3	1654.5	1654.5	1654.5	1654.5	1662.0	1676.9	1688.1	1687.2
175°	1664.7	1664.7	1664.7	1664.7	1661.3	1656.8	1654.5	1659.3	1668.7	1675.8	1675.8
177.5°	1664.7	1664.7	1664.7	1664.7	1662.1	1658.6	1656.8	1660.5	1668.0	1673.5	1672.5
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
2.5°	2911.6	2903.6	2911.6	2906.3	2909.0	2900.9	2876.7	2868.7	2876.7	2884.8	2884.8
5°	2946.6	2941.2	2946.6	2946.6	2943.9	2938.5	2911.6	2906.3	2911.6	2914.3	2909.0
7.5°	2957.3	2949.2	2957.3	2951.9	2951.9	2946.6	2919.7	2914.3	2917.0	2925.1	2917.0
10°	2957.3	2949.2	2957.3	2954.6	2951.9	2946.6	2919.7	2909.0	2909.0	2917.0	2909.0
12.5°	2943.9	2938.5	2943.9	2938.5	2938.5	2933.1	2906.3	2895.5	2898.2	2900.9	2890.2
15°	2922.4	2914.3	2922.4	2917.0	2919.7	2911.6	2882.1	2871.4	2871.4	2876.7	2857.9
17.5°	2890.2	2879.4	2890.2	2887.5	2884.8	2879.4	2852.6	2841.8	2839.1	2841.8	2828.4
20°	2852.6	2844.5	2852.6	2849.9	2849.9	2839.1	2812.3	2798.8	2798.8	2798.8	2785.4
22.5°	2793.5	2785.4	2793.5	2798.8	2798.8	2796.1	2772.0	2753.2	2747.8	2747.8	2731.7
25°	2726.3	2718.3	2726.3	2726.3	2723.6	2726.3	2718.3	2707.5	2699.5	2691.4	2675.3
27.5°	2661.9	2656.5	2661.9	2656.5	2661.9	2653.8	2651.1	2648.4	2637.7	2629.6	2608.1
30°	2597.4	2592.0	2597.4	2592.0	2586.6	2581.3	2567.8	2562.5	2573.2	2567.8	2532.9
32.5°	2516.8	2511.4	2516.8	2516.8	2511.4	2511.4	2490.0	2481.9	2484.6	2500.7	2468.5
35°	2433.5	2425.5	2433.5	2430.9	2433.5	2425.5	2412.1	2409.4	2398.6	2417.4	2393.3
37.5°	2336.8	2328.7	2336.8	2336.8	2336.8	2342.1	2331.4	2323.3	2307.2	2331.4	2312.6
40°	2237.4	2226.6	2237.4	2234.7	2237.4	2242.8	2237.4	2232.0	2215.9	2234.7	2218.6
42.5°	2124.6	2121.9	2124.6	2127.3	2127.3	2138.0	2146.1	2135.3	2129.9	2116.5	2127.3
45°	2003.7	1998.3	2003.7	2009.1	2011.8	2017.1	2041.3	2041.3	2033.3	2011.8	2027.9
47.5°	1874.8	1861.4	1874.8	1890.9	1890.9	1899.0	1923.1	1941.9	1928.5	1901.6	1909.7
50°	1737.8	1740.5	1737.8	1748.5	1748.5	1778.1	1796.9	1815.7	1829.1	1796.9	1759.3
52.5°	1603.5	1600.8	1603.5	1611.6	1622.3	1635.7	1668.0	1686.8	1708.3	1689.5	1630.4
55°	1469.2	1474.6	1469.2	1471.9	1477.3	1485.3	1533.7	1552.5	1592.8	1568.6	1506.8
57.5°	1334.9	1326.9	1334.9	1340.3	1343.0	1351.0	1391.3	1426.2	1450.4	1453.1	1377.9
60°	1179.1	1168.4	1179.1	1203.3	1208.7	1214.0	1251.6	1283.9	1305.4	1313.4	1235.5
62.5°	1042.1	1023.3	1042.1	1058.3	1069.0	1082.4	1109.3	1157.6	1176.4	1179.1	1069.0
65°	897.1	889.0	897.1	929.3	932.0	948.1	977.7	1012.6	1052.9	1047.5	889.0
67.5°	765.5	765.5	765.5	787.0	803.1	811.2	848.8	864.9	915.9	921.3	741.3
70°	644.6	641.9	644.6	660.7	671.5	690.3	725.2	744.0	784.3	797.7	601.6
72.5°	529.1	526.4	529.1	542.6	553.3	569.4	599.0	620.5	655.4	671.5	467.4
75°	427.1	421.7	427.1	437.8	435.1	456.6	480.8	502.3	534.5	545.2	346.5
77.5°	327.7	327.7	327.7	338.4	338.4	359.9	370.7	397.5	416.3	432.4	255.2
80°	244.4	241.7	244.4	247.1	247.1	257.8	276.7	295.5	311.6	311.6	174.6
82.5°	171.9	166.5	171.9	171.9	171.9	177.3	188.0	193.4	204.1	212.2	110.1
85°	107.4	107.4	107.4	110.1	107.4	112.8	115.5	120.9	120.9	115.5	67.1
87.5°	69.8	67.1	69.8	67.1	67.1	64.5	64.5	64.5	61.8	59.1	37.6
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.9	212.3	300.9	419.1	478.2	419.8	303.2	215.6
95°	592.7	490.5	592.7	694.9	720.5	946.3	1247.2	1397.6	1180.4	745.9	420.1
97.5°	1420.2	1225.6	1420.2	1614.9	1663.5	1806.1	1996.3	2091.4	1729.1	1004.7	461.4
100°	2046.2	1814.3	2046.2	2278.1	2336.0	2325.7	2311.8	2304.8	1902.8	1098.9	496.0
102.5°	2662.0	2463.5	2662.0	2860.6	2910.3	2728.6	2486.3	2365.1	1957.5	1142.1	530.7
105°	3447.1	3340.4	3447.1	3553.9	3580.6	3173.3	2630.1	2358.4	1963.7	1174.2	582.0
107.5°	3961.5	3987.3	3961.5	3935.6	3929.2	3360.9	2603.2	2224.3	1876.2	1180.1	658.1
110°	4157.6	4268.8	4157.6	4046.4	4018.5	3383.2	2536.2	2112.6	1798.8	1171.2	700.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4175.1	4345.9	4175.1	4004.3	3961.6	3311.4	2444.5	2011.0	1731.2	1171.6	751.9
115°	4064.4	4301.2	4064.4	3827.5	3768.3	3141.9	2306.8	1889.2	1653.6	1182.3	829.0
117.5°	3829.6	4092.3	3829.6	3566.9	3501.3	2936.0	2182.2	1805.4	1605.0	1204.4	903.8
120°	3640.4	3895.7	3640.4	3385.3	3321.4	2804.9	2116.2	1771.9	1588.7	1222.3	947.4
122.5°	3456.2	3707.9	3456.2	3204.5	3141.6	2676.4	2056.3	1746.2	1580.1	1248.0	998.8
125°	3193.4	3425.3	3193.4	2961.5	2903.6	2508.5	1981.7	1718.3	1573.1	1282.5	1064.7
127.5°	2957.1	3152.8	2957.1	2761.4	2712.5	2373.3	1921.0	1694.8	1568.9	1317.2	1128.4
130°	2817.8	2998.6	2817.8	2637.1	2591.9	2289.9	1887.2	1685.9	1571.5	1342.5	1170.8
132.5°	2691.5	2853.4	2691.5	2529.6	2489.1	2218.8	1858.2	1678.0	1573.0	1362.9	1205.4
135°	2518.2	2657.8	2518.2	2378.8	2343.8	2117.4	1815.6	1664.7	1571.5	1385.3	1245.6
137.5°	2379.4	2493.6	2379.4	2265.2	2236.7	2045.3	1790.0	1662.4	1581.2	1418.8	1297.0
140°	2284.1	2390.8	2284.1	2177.3	2150.6	1985.3	1764.7	1654.5	1582.8	1439.3	1331.7
142.5°	2205.1	2296.9	2205.1	2113.2	2090.3	1945.1	1751.4	1654.5	1588.5	1456.4	1357.4
145°	2086.7	2156.2	2086.7	2017.1	1999.8	1881.0	1722.6	1643.4	1588.6	1478.8	1396.5
147.5°	1995.8	2053.4	1995.8	1938.3	1923.8	1830.4	1705.7	1643.4	1599.5	1511.6	1445.7
150°	1938.6	1985.3	1938.6	1891.9	1880.2	1801.3	1696.1	1643.4	1605.2	1528.7	1471.4
152.5°	1889.6	1924.9	1889.6	1854.4	1845.6	1778.2	1688.4	1643.4	1608.9	1539.8	1488.1
155°	1833.4	1856.8	1833.4	1810.1	1804.2	1750.6	1679.2	1643.4	1617.1	1564.5	1525.0
157.5°	1789.0	1805.4	1789.0	1772.6	1768.5	1726.8	1671.2	1643.4	1625.3	1589.1	1561.9
160°	1762.4	1771.9	1762.4	1752.9	1750.6	1714.9	1667.3	1643.4	1629.0	1600.2	1578.6
162.5°	1745.1	1754.0	1745.1	1736.1	1733.9	1703.7	1663.5	1643.4	1633.0	1612.1	1596.4
165°	1720.0	1729.4	1720.0	1710.5	1708.2	1686.6	1657.8	1643.4	1638.7	1629.2	1622.1
167.5°	1702.0	1705.9	1702.0	1698.0	1697.1	1682.9	1664.0	1654.5	1650.6	1642.6	1636.7
170°	1697.1	1697.1	1697.1	1697.1	1697.1	1682.9	1664.0	1654.5	1654.3	1653.8	1653.5
172.5°	1683.7	1680.2	1683.7	1687.2	1688.1	1676.9	1662.0	1654.5	1654.5	1654.5	1654.5
175°	1675.8	1675.8	1675.8	1675.8	1675.8	1668.7	1659.3	1654.5	1656.8	1661.3	1664.7
177.5°	1668.6	1664.7	1668.6	1672.5	1673.5	1668.0	1660.5	1656.8	1658.6	1662.1	1664.7
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
2.5°	2879.4	2863.3	2863.3	2836.4	2825.7	2817.6	2804.2	2763.9	2753.2	2742.4	2758.5
5°	2903.6	2874.0	2852.6	2804.2	2763.9	2747.8	2696.8	2600.1	2535.6	2487.3	2460.4
7.5°	2909.0	2871.4	2831.1	2755.9	2659.2	2616.2	2460.4	2283.0	2234.7	2191.7	2164.9
10°	2903.6	2860.6	2804.2	2691.4	2463.1	2387.9	2232.0	2116.5	2087.0	2078.9	2087.0
12.5°	2884.8	2844.5	2766.6	2578.6	2258.9	2207.8	2116.5	2049.4	2044.0	2057.4	2129.9
15°	2852.6	2815.0	2723.6	2428.2	2146.1	2108.5	2044.0	2019.8	2049.4	2143.4	2360.9
17.5°	2820.3	2777.3	2664.5	2280.4	2060.1	2033.3	1987.6	2035.9	2202.5	2328.7	2401.3
20°	2777.3	2726.3	2597.4	2172.9	1998.3	1974.2	1952.7	2170.2	2296.5	2342.1	2382.5
22.5°	2726.3	2672.6	2506.1	2097.7	1933.9	1915.1	1928.5	2245.4	2296.5	2328.7	2363.6
25°	2659.2	2613.5	2398.6	2038.6	1882.8	1861.4	1912.4	2237.4	2266.9	2275.0	2344.8
27.5°	2597.4	2538.3	2285.7	1984.9	1821.1	1813.0	1925.8	2202.5	2224.0	2232.0	2307.2
30°	2522.2	2433.5	2159.5	1928.5	1756.6	1753.9	1928.5	2159.5	2154.1	2175.6	2250.8
32.5°	2444.3	2277.7	2017.1	1858.7	1694.8	1692.1	1909.7	2095.0	2089.7	2119.2	2175.6
35°	2371.8	2156.8	1823.8	1778.1	1616.9	1619.6	1864.0	2019.8	2022.5	2049.4	2084.3
37.5°	2296.5	2052.1	1611.6	1689.5	1541.7	1541.7	1802.3	1950.0	1944.6	1952.7	2001.0
40°	2207.8	1888.2	1423.5	1574.0	1471.9	1463.8	1727.1	1874.8	1856.0	1853.3	1920.4
42.5°	2113.8	1708.3	1283.9	1420.9	1391.3	1380.6	1635.7	1783.5	1748.5	1756.6	1842.6
45°	2011.8	1659.9	1176.4	1200.6	1308.1	1300.0	1536.4	1678.7	1654.5	1676.0	1764.7
47.5°	1909.7	1563.2	1141.5	996.5	1219.4	1216.7	1426.2	1576.6	1563.2	1584.7	1678.7
50°	1770.0	1455.8	1138.8	854.1	1120.0	1130.8	1294.6	1477.3	1477.3	1496.1	1595.4
52.5°	1590.1	1324.2	1034.1	773.5	1004.5	1036.8	1179.1	1391.3	1396.7	1415.5	1504.1
55°	1426.2	1187.2	958.9	711.8	867.6	937.4	1066.3	1302.7	1313.4	1332.2	1412.8
57.5°	1275.8	988.4	942.8	639.3	741.3	808.5	966.9	1216.7	1222.1	1238.2	1316.1
60°	1114.7	714.5	864.9	561.4	631.2	682.2	875.6	1114.7	1133.5	1144.2	1211.4
62.5°	932.0	518.4	784.3	507.6	577.5	588.2	800.4	1018.0	1042.1	1050.2	1090.5
65°	663.4	435.1	666.1	462.0	521.1	523.8	719.8	918.6	940.1	953.5	983.1
67.5°	448.6	354.5	507.6	419.0	478.1	480.8	641.9	803.1	832.6	843.4	862.2
70°	311.6	236.4	376.0	373.3	429.7	435.1	558.7	698.3	725.2	733.3	744.0
72.5°	228.3	190.7	311.6	335.7	378.7	384.1	472.7	580.2	607.0	615.1	620.5
75°	174.6	201.4	252.5	292.8	322.3	325.0	386.8	472.7	491.5	496.9	499.6
77.5°	139.7	188.0	185.3	236.4	263.2	257.8	303.5	365.3	381.4	381.4	381.4
80°	104.8	147.7	139.7	169.2	193.4	188.0	217.6	260.5	265.9	271.3	268.6
82.5°	77.9	94.0	94.0	107.4	128.9	123.6	145.0	169.2	169.2	169.2	174.6
85°	48.3	53.7	43.0	56.4	72.5	69.8	80.6	91.3	94.0	94.0	88.6
87.5°	29.5	24.2	13.4	21.5	32.2	32.2	37.6	40.3	37.6	37.6	37.6
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.2	419.8	478.2	419.1	300.9
95°	385.3	246.3	107.3	246.3	385.3	420.1	745.9	1180.4	1397.6	1247.2	946.3
97.5°	430.7	308.1	185.4	308.1	430.7	461.4	1004.7	1729.1	2091.4	1996.3	1806.1
100°	468.2	357.0	245.8	357.0	468.2	496.0	1098.9	1902.8	2304.8	2311.8	2325.7
102.5°	504.7	400.9	297.2	400.9	504.7	530.7	1142.1	1957.5	2365.1	2486.3	2728.6
105°	560.1	472.2	384.4	472.2	560.1	582.0	1174.2	1963.7	2358.4	2630.1	3173.3
107.5°	637.6	555.6	473.7	555.6	637.6	658.1	1180.1	1876.2	2224.3	2603.2	3360.9
110°	682.0	608.0	534.1	608.0	682.0	700.5	1171.2	1798.8	2112.6	2536.2	3383.2



TEST NUMBER: P935154

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.2	663.8	593.2	663.8	734.2	751.9	1171.6	1731.2	2011.0	2444.5	3311.4
115°	812.7	747.7	682.6	747.7	812.7	829.0	1182.3	1653.6	1889.2	2306.8	3141.9
117.5°	889.0	830.0	770.9	830.0	889.0	903.8	1204.4	1605.0	1805.4	2182.2	2936.0
120°	933.5	877.9	822.3	877.9	933.5	947.4	1222.3	1588.7	1771.9	2116.2	2804.9
122.5°	984.8	928.7	872.6	928.7	984.8	998.8	1248.0	1580.1	1746.2	2056.3	2676.4
125°	1051.9	1000.8	949.7	1000.8	1051.9	1064.7	1282.5	1573.1	1718.3	1981.7	2508.5
127.5°	1115.5	1063.8	1012.2	1063.8	1115.5	1128.4	1317.2	1568.9	1694.8	1921.0	2373.3
130°	1156.9	1101.3	1045.7	1101.3	1156.9	1170.8	1342.5	1571.5	1685.9	1887.2	2289.9
132.5°	1191.6	1136.0	1080.4	1136.0	1191.6	1205.4	1362.9	1573.0	1678.0	1858.2	2218.8
135°	1233.0	1182.3	1131.8	1182.3	1233.0	1245.6	1385.3	1571.5	1664.7	1815.6	2117.4
137.5°	1284.5	1234.4	1184.2	1234.4	1284.5	1297.0	1418.8	1581.2	1662.4	1790.0	2045.3
140°	1320.1	1274.0	1227.8	1274.0	1320.1	1331.7	1439.3	1582.8	1654.5	1764.7	1985.3
142.5°	1346.7	1304.0	1261.3	1304.0	1346.7	1357.4	1456.4	1588.5	1654.5	1751.4	1945.1
145°	1387.2	1350.0	1312.7	1350.0	1387.2	1396.5	1478.8	1588.6	1643.4	1722.6	1881.0
147.5°	1436.6	1400.4	1364.1	1400.4	1436.6	1445.7	1511.6	1599.5	1643.4	1705.7	1830.4
150°	1463.1	1430.4	1397.6	1430.4	1463.1	1471.4	1528.7	1605.2	1643.4	1696.1	1801.3
152.5°	1481.9	1457.0	1432.2	1457.0	1481.9	1488.1	1539.8	1608.9	1643.4	1688.4	1778.2
155°	1520.4	1502.0	1483.6	1502.0	1520.4	1525.0	1564.5	1617.1	1643.4	1679.2	1750.6
157.5°	1557.4	1539.5	1521.6	1539.5	1557.4	1561.9	1589.1	1625.3	1643.4	1671.2	1726.8
160°	1575.1	1561.2	1547.3	1561.2	1575.1	1578.6	1600.2	1629.0	1643.4	1667.3	1714.9
162.5°	1593.8	1583.4	1573.0	1583.4	1593.8	1596.4	1612.1	1633.0	1643.4	1663.5	1703.7
165°	1619.8	1610.3	1600.9	1610.3	1619.8	1622.1	1629.2	1638.7	1643.4	1657.8	1686.6
167.5°	1635.6	1631.1	1626.6	1631.1	1635.6	1636.7	1642.6	1650.6	1654.5	1664.0	1682.9
170°	1652.4	1647.9	1643.4	1647.9	1652.4	1653.5	1653.8	1654.3	1654.5	1664.0	1682.9
172.5°	1654.3	1653.3	1652.3	1653.3	1654.3	1654.5	1654.5	1654.5	1654.5	1662.0	1676.9
175°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1661.3	1656.8	1654.5	1659.3	1668.7
177.5°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1662.1	1658.6	1656.8	1660.5	1668.0
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935154
 CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1	2839.1
2.5°	2739.7	2731.7	2742.4	2712.9	2742.4	2731.7	2739.7	2758.5	2742.4	2753.2	2763.9
5°	2404.0	2390.6	2347.5	2312.6	2347.5	2390.6	2404.0	2460.4	2487.3	2535.6	2600.1
7.5°	2148.7	2138.0	2127.3	2105.8	2127.3	2138.0	2148.7	2164.9	2191.7	2234.7	2283.0
10°	2092.3	2095.0	2111.1	2108.5	2111.1	2095.0	2092.3	2087.0	2078.9	2087.0	2116.5
12.5°	2237.4	2261.6	2350.2	2344.8	2350.2	2261.6	2237.4	2129.9	2057.4	2044.0	2049.4
15°	2404.0	2412.1	2430.9	2433.5	2430.9	2412.1	2404.0	2360.9	2143.4	2049.4	2019.8
17.5°	2420.1	2422.8	2436.2	2436.2	2436.2	2422.8	2420.1	2401.3	2328.7	2202.5	2035.9
20°	2406.7	2412.1	2438.9	2444.3	2438.9	2412.1	2406.7	2382.5	2342.1	2296.5	2170.2
22.5°	2401.3	2412.1	2433.5	2430.9	2433.5	2412.1	2401.3	2363.6	2328.7	2296.5	2245.4
25°	2374.5	2374.5	2377.1	2379.8	2377.1	2374.5	2374.5	2344.8	2275.0	2266.9	2237.4
27.5°	2318.0	2323.3	2339.5	2336.8	2339.5	2323.3	2318.0	2307.2	2232.0	2224.0	2202.5
30°	2266.9	2261.6	2248.1	2237.4	2248.1	2261.6	2266.9	2250.8	2175.6	2154.1	2159.5
32.5°	2181.0	2167.6	2154.1	2146.1	2154.1	2167.6	2181.0	2175.6	2119.2	2089.7	2095.0
35°	2078.9	2081.6	2078.9	2070.9	2078.9	2081.6	2078.9	2084.3	2049.4	2022.5	2019.8
37.5°	2006.4	2011.8	2009.1	1998.3	2009.1	2011.8	2006.4	2001.0	1952.7	1944.6	1950.0
40°	1931.2	1933.9	1931.2	1923.1	1931.2	1933.9	1931.2	1920.4	1853.3	1856.0	1874.8
42.5°	1858.7	1856.0	1847.9	1842.6	1847.9	1856.0	1858.7	1842.6	1756.6	1748.5	1783.5
45°	1775.4	1778.1	1762.0	1753.9	1762.0	1778.1	1775.4	1764.7	1676.0	1654.5	1678.7
47.5°	1692.1	1692.1	1678.7	1670.7	1678.7	1692.1	1692.1	1678.7	1584.7	1563.2	1576.6
50°	1603.5	1600.8	1582.0	1579.3	1582.0	1600.8	1603.5	1595.4	1496.1	1477.3	1477.3
52.5°	1501.4	1501.4	1504.1	1509.5	1504.1	1501.4	1501.4	1504.1	1415.5	1396.7	1391.3
55°	1412.8	1415.5	1434.3	1439.7	1434.3	1415.5	1412.8	1412.8	1332.2	1313.4	1302.7
57.5°	1321.5	1321.5	1334.9	1334.9	1334.9	1321.5	1321.5	1316.1	1238.2	1222.1	1216.7
60°	1216.7	1222.1	1232.8	1230.2	1232.8	1222.1	1216.7	1211.4	1144.2	1133.5	1114.7
62.5°	1106.6	1112.0	1114.7	1109.3	1114.7	1112.0	1106.6	1090.5	1050.2	1042.1	1018.0
65°	991.1	996.5	999.2	993.8	999.2	996.5	991.1	983.1	953.5	940.1	918.6
67.5°	872.9	870.2	867.6	878.3	867.6	870.2	872.9	862.2	843.4	832.6	803.1
70°	752.1	752.1	749.4	754.7	749.4	752.1	752.1	744.0	733.3	725.2	698.3
72.5°	623.1	620.5	631.2	623.1	631.2	620.5	623.1	620.5	615.1	607.0	580.2
75°	496.9	502.3	496.9	505.0	496.9	502.3	496.9	499.6	496.9	491.5	472.7
77.5°	378.7	384.1	378.7	378.7	378.7	384.1	378.7	381.4	381.4	381.4	365.3
80°	268.6	265.9	265.9	263.2	265.9	265.9	268.6	268.6	271.3	265.9	260.5
82.5°	171.9	169.2	169.2	174.6	169.2	169.2	171.9	174.6	169.2	169.2	169.2
85°	94.0	96.7	91.3	91.3	91.3	96.7	94.0	88.6	94.0	94.0	91.3
87.5°	34.9	32.2	32.2	32.2	32.2	32.2	34.9	37.6	37.6	37.6	40.3
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.3	203.9	170.0	136.3	170.0	203.9	212.3	300.9	419.1	478.2	419.8
95°	720.5	694.9	592.7	490.5	592.7	694.9	720.5	946.3	1247.2	1397.6	1180.4
97.5°	1663.5	1614.9	1420.2	1225.6	1420.2	1614.9	1663.5	1806.1	1996.3	2091.4	1729.1
100°	2336.0	2278.1	2046.2	1814.3	2046.2	2278.1	2336.0	2325.7	2311.8	2304.8	1902.8
102.5°	2910.3	2860.6	2662.0	2463.5	2662.0	2860.6	2910.3	2728.6	2486.3	2365.1	1957.5
105°	3580.6	3553.9	3447.1	3340.4	3447.1	3553.9	3580.6	3173.3	2630.1	2358.4	1963.7
107.5°	3929.2	3935.6	3961.5	3987.3	3961.5	3935.6	3929.2	3360.9	2603.2	2224.3	1876.2
110°	4018.5	4046.4	4157.6	4268.8	4157.6	4046.4	4018.5	3383.2	2536.2	2112.6	1798.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3961.6	4004.3	4175.1	4345.9	4175.1	4004.3	3961.6	3311.4	2444.5	2011.0	1731.2
115°	3768.3	3827.5	4064.4	4301.2	4064.4	3827.5	3768.3	3141.9	2306.8	1889.2	1653.6
117.5°	3501.3	3566.9	3829.6	4092.3	3829.6	3566.9	3501.3	2936.0	2182.2	1805.4	1605.0
120°	3321.4	3385.3	3640.4	3895.7	3640.4	3385.3	3321.4	2804.9	2116.2	1771.9	1588.7
122.5°	3141.6	3204.5	3456.2	3707.9	3456.2	3204.5	3141.6	2676.4	2056.3	1746.2	1580.1
125°	2903.6	2961.5	3193.4	3425.3	3193.4	2961.5	2903.6	2508.5	1981.7	1718.3	1573.1
127.5°	2712.5	2761.4	2957.1	3152.8	2957.1	2761.4	2712.5	2373.3	1921.0	1694.8	1568.9
130°	2591.9	2637.1	2817.8	2998.6	2817.8	2637.1	2591.9	2289.9	1887.2	1685.9	1571.5
132.5°	2489.1	2529.6	2691.5	2853.4	2691.5	2529.6	2489.1	2218.8	1858.2	1678.0	1573.0
135°	2343.8	2378.8	2518.2	2657.8	2518.2	2378.8	2343.8	2117.4	1815.6	1664.7	1571.5
137.5°	2236.7	2265.2	2379.4	2493.6	2379.4	2265.2	2236.7	2045.3	1790.0	1662.4	1581.2
140°	2150.6	2177.3	2284.1	2390.8	2284.1	2177.3	2150.6	1985.3	1764.7	1654.5	1582.8
142.5°	2090.3	2113.2	2205.1	2296.9	2205.1	2113.2	2090.3	1945.1	1751.4	1654.5	1588.5
145°	1999.8	2017.1	2086.7	2156.2	2086.7	2017.1	1999.8	1881.0	1722.6	1643.4	1588.6
147.5°	1923.8	1938.3	1995.8	2053.4	1995.8	1938.3	1923.8	1830.4	1705.7	1643.4	1599.5
150°	1880.2	1891.9	1938.6	1985.3	1938.6	1891.9	1880.2	1801.3	1696.1	1643.4	1605.2
152.5°	1845.6	1854.4	1889.6	1924.9	1889.6	1854.4	1845.6	1778.2	1688.4	1643.4	1608.9
155°	1804.2	1810.1	1833.4	1856.8	1833.4	1810.1	1804.2	1750.6	1679.2	1643.4	1617.1
157.5°	1768.5	1772.6	1789.0	1805.4	1789.0	1772.6	1768.5	1726.8	1671.2	1643.4	1625.3
160°	1750.6	1752.9	1762.4	1771.9	1762.4	1752.9	1750.6	1714.9	1667.3	1643.4	1629.0
162.5°	1733.9	1736.1	1745.1	1754.0	1745.1	1736.1	1733.9	1703.7	1663.5	1643.4	1633.0
165°	1708.2	1710.5	1720.0	1729.4	1720.0	1710.5	1708.2	1686.6	1657.8	1643.4	1638.7
167.5°	1697.1	1698.0	1702.0	1705.9	1702.0	1698.0	1697.1	1682.9	1664.0	1654.5	1650.6
170°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1682.9	1664.0	1654.5	1654.3
172.5°	1688.1	1687.2	1683.7	1680.2	1683.7	1687.2	1688.1	1676.9	1662.0	1654.5	1654.5
175°	1675.8	1675.8	1675.8	1675.8	1675.8	1675.8	1675.8	1668.7	1659.3	1654.5	1656.8
177.5°	1673.5	1672.5	1668.6	1664.7	1668.6	1672.5	1673.5	1668.0	1660.5	1656.8	1658.6
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2839.1	2839.1	2839.1	2839.1	2839.1
2.5°	2804.2	2817.6	2825.7	2836.4	2863.3
5°	2696.8	2747.8	2763.9	2804.2	2852.6
7.5°	2460.4	2616.2	2659.2	2755.9	2831.1
10°	2232.0	2387.9	2463.1	2691.4	2804.2
12.5°	2116.5	2207.8	2258.9	2578.6	2766.6
15°	2044.0	2108.5	2146.1	2428.2	2723.6
17.5°	1987.6	2033.3	2060.1	2280.4	2664.5
20°	1952.7	1974.2	1998.3	2172.9	2597.4
22.5°	1928.5	1915.1	1933.9	2097.7	2506.1
25°	1912.4	1861.4	1882.8	2038.6	2398.6
27.5°	1925.8	1813.0	1821.1	1984.9	2285.7
30°	1928.5	1753.9	1756.6	1928.5	2159.5
32.5°	1909.7	1692.1	1694.8	1858.7	2017.1
35°	1864.0	1619.6	1616.9	1778.1	1823.8
37.5°	1802.3	1541.7	1541.7	1689.5	1611.6
40°	1727.1	1463.8	1471.9	1574.0	1423.5
42.5°	1635.7	1380.6	1391.3	1420.9	1283.9
45°	1536.4	1300.0	1308.1	1200.6	1176.4
47.5°	1426.2	1216.7	1219.4	996.5	1141.5
50°	1294.6	1130.8	1120.0	854.1	1138.8
52.5°	1179.1	1036.8	1004.5	773.5	1034.1
55°	1066.3	937.4	867.6	711.8	958.9
57.5°	966.9	808.5	741.3	639.3	942.8
60°	875.6	682.2	631.2	561.4	864.9
62.5°	800.4	588.2	577.5	507.6	784.3
65°	719.8	523.8	521.1	462.0	666.1
67.5°	641.9	480.8	478.1	419.0	507.6
70°	558.7	435.1	429.7	373.3	376.0
72.5°	472.7	384.1	378.7	335.7	311.6
75°	386.8	325.0	322.3	292.8	252.5
77.5°	303.5	257.8	263.2	236.4	185.3
80°	217.6	188.0	193.4	169.2	139.7
82.5°	145.0	123.6	128.9	107.4	94.0
85°	80.6	69.8	72.5	56.4	43.0
87.5°	37.6	32.2	32.2	21.5	13.4
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.2	215.6	196.6	120.6	44.7
95°	745.9	420.1	385.3	246.3	107.3
97.5°	1004.7	461.4	430.7	308.1	185.4
100°	1098.9	496.0	468.2	357.0	245.8
102.5°	1142.1	530.7	504.7	400.9	297.2
105°	1174.2	582.0	560.1	472.2	384.4
107.5°	1180.1	658.1	637.6	555.6	473.7
110°	1171.2	700.5	682.0	608.0	534.1



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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1171.6	751.9	734.2	663.8	593.2
115°	1182.3	829.0	812.7	747.7	682.6
117.5°	1204.4	903.8	889.0	830.0	770.9
120°	1222.3	947.4	933.5	877.9	822.3
122.5°	1248.0	998.8	984.8	928.7	872.6
125°	1282.5	1064.7	1051.9	1000.8	949.7
127.5°	1317.2	1128.4	1115.5	1063.8	1012.2
130°	1342.5	1170.8	1156.9	1101.3	1045.7
132.5°	1362.9	1205.4	1191.6	1136.0	1080.4
135°	1385.3	1245.6	1233.0	1182.3	1131.8
137.5°	1418.8	1297.0	1284.5	1234.4	1184.2
140°	1439.3	1331.7	1320.1	1274.0	1227.8
142.5°	1456.4	1357.4	1346.7	1304.0	1261.3
145°	1478.8	1396.5	1387.2	1350.0	1312.7
147.5°	1511.6	1445.7	1436.6	1400.4	1364.1
150°	1528.7	1471.4	1463.1	1430.4	1397.6
152.5°	1539.8	1488.1	1481.9	1457.0	1432.2
155°	1564.5	1525.0	1520.4	1502.0	1483.6
157.5°	1589.1	1561.9	1557.4	1539.5	1521.6
160°	1600.2	1578.6	1575.1	1561.2	1547.3
162.5°	1612.1	1596.4	1593.8	1583.4	1573.0
165°	1629.2	1622.1	1619.8	1610.3	1600.9
167.5°	1642.6	1636.7	1635.6	1631.1	1626.6
170°	1653.8	1653.5	1652.4	1647.9	1643.4
172.5°	1654.5	1654.5	1654.3	1653.3	1652.3
175°	1661.3	1664.7	1664.7	1664.7	1664.7
177.5°	1662.1	1664.7	1664.7	1664.7	1664.7
180°	1664.7	1664.7	1664.7	1664.7	1664.7



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.42	12.20	12.46	13.24	14.64	14.27	15.06	15.31	16.10	17.50
	3H	11.89	12.59	12.94	13.64	15.06	15.62	16.32	16.66	17.37	18.79
	4H	12.08	12.74	13.14	13.80	15.22	16.06	16.73	17.12	17.78	19.21
	6H	12.19	12.81	13.26	13.86	15.30	16.35	16.96	17.42	18.02	19.46
	8H	12.19	12.77	13.26	13.85	15.28	16.42	17.01	17.50	18.08	19.51
	12H	12.16	12.71	13.24	13.78	15.24	16.46	17.02	17.54	18.08	19.54
4H	2H	12.45	13.11	13.51	14.16	15.59	14.67	15.34	15.73	16.39	17.81
	3H	13.47	14.02	14.54	15.10	16.54	16.18	16.73	17.25	17.81	19.25
	4H	13.74	14.25	14.82	15.32	16.78	16.70	17.21	17.78	18.28	19.74
	6H	13.86	14.30	14.95	15.39	16.85	17.07	17.51	18.16	18.60	20.06
	8H	13.87	14.27	14.95	15.36	16.83	17.18	17.59	18.26	18.67	20.14
	12H	13.83	14.20	14.93	15.30	16.77	17.24	17.60	18.34	18.70	20.18
8H	4H	14.19	14.60	15.28	15.68	17.16	16.82	17.23	17.91	18.31	19.79
	6H	14.45	14.79	15.56	15.91	17.38	17.26	17.60	18.37	18.72	20.19
	8H	14.49	14.79	15.61	15.90	17.38	17.42	17.71	18.53	18.82	20.31
	12H	14.47	14.73	15.59	15.84	17.36	17.51	17.77	18.63	18.88	20.41
12H	4H	14.20	14.56	15.30	15.66	17.14	16.78	17.15	17.89	18.25	19.73
	6H	14.51	14.81	15.63	15.92	17.40	17.26	17.55	18.37	18.66	20.15
	8H	14.57	14.83	15.69	15.94	17.47	17.42	17.68	18.54	18.78	20.31